UNITED STATES NAVAL OBSERVATORY

CIRCULAR NO. 94

U. S. Naval Observatory, Washington, D. C., 20390 April 19, 1964

EPHEMERIS OF THE RADIO LONGITUDE OF THE CENTRAL MERIDIAN OF JUPITER

System III (1957.0)

by

Berenice L. Morrison

In accordance with a Report to Commission 40 of the International Astronomical Union by the Working Group, on the definition of longitudes of radio emissions from Jupiter, System III (1957.0) has been defined by a provisionally adopted period, and a central meridian which at the epoch agrees with System II (*Information Bulletin* No. 8, 1962 March, page 4):

Epoch 1957 January 1.0 U. T.	J. D. 243 5839.5
Period	$9^h\ 55^m\ 29^s.37$
Central meridian	
Longitude at epoch	$108^\circ.02$
Daily motion	870.544

In this *Circular*, an ephemeris of the central meridian of the geometric disk on this system, with the corrections for phase to reduce to the illuminated disk, is given for 1964, 1965, 1966 and 1967. This publication continues the ephemerides given in *U. S. Naval Observatory Circular* No. 92. Data for further years will be made available as required.

JUPITER, 1964

LONGITUDE OF CENTRAL MERIDIAN

SYSTEM III (1957.0)

Day (0^h U.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
	°	°	°	°	°	°	°	°	°	°	°	°
1	231.4	211.9	250.3	228.9	57.8	38.1	229.6	213.5	199.9	38.4	29.4	229.5
2	21.8	2.2	40.5	19.2	208.1	188.5	20.0	4.0	350.5	189.0	180.1	20.1
3	172.2	152.5	190.8	169.5	358.4	338.8	170.4	154.5	141.1	339.7	330.8	170.8
4	322.5	302.8	341.1	319.8	148.8	129.2	320.9	305.0	291.7	130.3	121.5	321.4
5	112.9	93.1	131.4	110.1	299.1	279.5	111.3	95.5	82.2	281.0	272.2	112.0
6	263.3	243.4	281.7	260.4	89.4	69.9	261.7	246.0	232.8	71.7	62.9	262.6
7	53.6	33.7	71.9	50.7	239.7	220.3	52.1	36.5	23.4	222.3	213.5	53.3
8	204.0	184.0	222.2	200.9	30.0	10.6	202.5	187.0	174.0	13.0	4.2	203.9
9	354.3	334.3	12.5	351.2	180.3	161.0	353.0	337.5	324.6	163.7	154.9	354.5
10	144.7	124.5	162.8	141.5	330.7	311.4	143.4	128.0	115.2	314.3	305.6	145.1
11	295.0	274.8	313.0	291.8	121.0	101.8	293.8	278.5	265.8	105.0	96.3	295.7
12	85.4	65.1	103.3	82.1	271.3	252.1	84.3	69.0	56.4	255.7	246.9	86.3
13	235.7	215.4	253.6	232.4	61.6	42.5	234.7	219.6	207.0	46.4	37.6	236.9
14	26.1	5.7	43.9	22.7	212.0	192.9	25.2	10.1	357.6	197.0	188.3	27.5
15	176.4	156.0	194.2	173.0	2.3	343.3	175.6	160.6	148.2	347.7	339.0	178.0
16	326.7	306.3	344.4	323.3	152.6	133.6	326.0	311.1	298.8	138.4	129.7	328.6
17	117.1	96.6	134.7	113.6	302.9	284.0	116.5	101.6	89.5	289.1	280.3	119.2
18	267.4	246.9	285.0	263.9	93.3	74.4	267.0	252.2	240.1	79.8	71.0	269.8
19	57.7	37.2	75.3	54.2	243.6	224.8	57.4	42.7	30.7	230.4	221.7	60.3
20	208.1	187.4	225.5	204.5	34.0	15.2	207.9	193.2	181.3	21.1	12.4	210.9
21	358.4	337.7	15.8	354.8	184.3	165.6	358.3	343.8	332.0	171.8	163.0	1.5
22	148.7	128.0	166.1	145.1	334.6	316.0	148.8	134.3	122.6	322.5	313.7	152.0
23	299.0	278.3	316.4	295.4	125.0	106.4	299.2	284.9	273.2	113.2	104.3	302.6
24	89.4	68.6	106.7	85.7	275.3	256.8	89.7	75.4	63.9	263.9	255.0	93.1
25	239.7	218.9	256.9	236.0	65.7	47.2	240.2	226.0	214.5	54.6	45.6	243.6
26	30.0	9.1	47.2	26.3	216.0	197.6	30.7	16.5	5.1	205.3	196.3	34.2
27	180.3	159.4	197.5	176.6	6.4	348.0	181.1	167.1	155.8	356.0	346.9	184.7
28	330.6	309.7	347.8	326.9	156.7	138.4	331.6	317.7	306.4	146.6	137.6	335.3
29	120.9	100.0	138.1	117.2	307.0	288.8	122.1	108.2	97.1	297.3	288.2	125.8
30	271.2		288.4	267.5	97.4	79.2	272.5	258.8	247.7	88.0	78.9	276.3
31	61.6		78.7		247.8		63.0	49.4		238.7		66.8

CORRECTION FOR PHASE

JAN.	°	MAR.	°	MAY	°	JULY	°	SEPT.	°	NOV.	°
- 2	-0.6	2	-0.2	1	0.0	4	0.4	2	0.6	1	0.0
2	-0.6	6	-0.2	5	0.0	8	0.4	6	0.5	5	0.0
6	-0.6	10	-0.2	9	0.0	12	0.5	10	0.5	9	0.0
10	-0.6	14	-0.1	13	0.0	16	0.5	14	0.5	13	0.0
14	-0.6	18	-0.1	17	0.1	20	0.5	18	0.5	17	0.0
18	-0.5	22	-0.1	21	0.1	24	0.5	22	0.4	21	0.0
22	-0.5	26	-0.1	25	0.1	28	0.6	26	0.4	25	0.0
26	-0.5	30	-0.1	29	0.1			30	0.3	29	-0.1
30	-0.5										

FEB.		APR.		JUNE		AUG.		OCT.		DEC.	
3	-0.4	3	0.0	2	0.2	1	0.6	4	0.3	3	-0.1
7	-0.4	7	0.0	6	0.2	5	0.6	8	0.2	7	-0.1
11	-0.4	11	0.0	10	0.2	9	0.6	12	0.2	11	-0.2
15	-0.4	15	0.0	14	0.2	13	0.6	16	0.2	15	-0.2
19	-0.3	19	0.0	18	0.3	17	0.6	20	0.1	19	-0.2
23	-0.3	23	0.0	22	0.3	21	0.6	24	0.1	23	-0.3
27	-0.3	27	0.0	26	0.3	25	0.6	28	0.1	27	-0.3
				30	0.4	29	0.6			31	-0.4
										35	-0.4

J.D.	x	y	z	
244 1031.5	+11.057607	−51.951192	−26.480145	71
244 1032.0	+17.739812	−50.204075	−25.154829	71
244 1032.5	+24.172438	−47.740692	−23.470657	71
244 1033.0	+30.256965	−44.580228	−21.443813	71
244 1033.5	+35.895700	−40.753873	−19.096699	71
244 1034.0	+40.993920	−36.305428	−16.458120	71
244 1034.5	+45.462189	−31.291410	−13.563189	71
244 1035.0	+49.219037	−25.780927	−10.453098	71
244 1035.5	+52.193620	−19.854860	− 7.174521	71
244 1036.0	+54.328292	−13.604507	− 3.778744	71
244 1036.5	+55.580867	− 7.129612	− 0.320510	71
244 1037.0	+55.926470	− 0.535935	+ 3.143400	71
244 1037.5	+55.358619	+ 6.067677	+ 6.555729	71
244 1038.0	+53.889449	+12.572369	+ 9.860388	71
244 1038.5	+51.549303	+18.872380	+13.004049	71
244 1039.0	+48.385312	+24.867925	+15.937549	71
244 1039.5	+44.459427	+30.467635	+18.617055	71
244 1040.0	+39.845964	+35.590484	+21.004907	71
244 1040.5	+34.628935	+40.167098	+23.070143	71
244 1041.0	+28.899288	+44.140442	+24.788678	71
244 1041.5	+22.752334	+47.466063	+26.143275	71
244 1042.0	+16.285353	+50.111669	+27.123180	71
244 1042.5	+ 9.595662	+52.056727	+27.723780	71
244 1043.0	+ 2.778912	+53.291457	+27.945977	71
244 1043.5	− 4.072173	+53.816050	+27.795703	71
244 1044.0	−10.868768	+53.639584	+27.283288	71
244 1044.5	−17.526666	+52.779163	+26.422963	71
244 1045.0	−23.966758	+51.258963	+25.232331	71
244 1045.5	−30.115367	+49.109468	+23.731942	71
244 1046.0	−35.904445	+46.366699	+21.944884	71
244 1046.5	−41.271720	+43.071622	+19.896459	71
244 1047.0	−46.160811	+39.269605	+17.613888	71
244 1047.5	−50.521268	+35.009900	+15.126038	71
244 1048.0	−54.308651	+30.345208	+12.463198	71
244 1048.5	−57.484690	+25.331338	+ 9.656874	71
244 1049.0	−60.017283	+20.026741	+ 6.739565	71
244 1049.5	−61.880730	+14.492208	+ 3.744577	71
244 1050.0	−63.055777	+ 8.790454	+ 0.705799	71
244 1050.5	−63.529822	+ 2.985726	− 2.342503	71
244 1051.0	−63.297063	− 2.856598	− 5.365930	71
244 1051.5	−62.358593	− 8.670493	− 8.330176	71
244 1052.0	−60.722593	−14.389753	−11.201312	71
244 1052.5	−58.404335	−19.948524	−13.946047	71
244 1053.0	−55.426280	−25.281870	−16.532026	71
244 1053.5	−51.818043	−30.326331	−18.928127	71
244 1054.0	−47.616331	−35.020535	−21.104778	71
244 1054.5	−42.864874	−39.305853	−23.034278	71
244 1055.0	−37.614140	−43.126967	−24.691091	71
244 1055.5	−31.921199	−46.432583	−26.052199	71
244 1056.0	−25.849328	−49.176021	−27.097379	71
244 1056.5	−19.467679	−51.315878	−27.809539	71
244 1057.0	−12.850812	−52.816688	−28.175015	71
244 1057.5	− 6.078195	−53.649566	−28.183886	71
244 1058.0	+ 0.766424	−53.792801	−27.830234	71
244 1058.5	+ 7.595690	−53.232588	−27.112469	71
244 1059.0	+14.319460	−51.963642	−26.033621	71
244 1059.5	+20.845732	−49.989797	−24.601559	71
244 1060.0	+27.081770	−47.324657	−22.829270	71
244 1060.5	+32.935368	−43.992074	−20.735027	71
244 1061.0	+38.316313	−40.026607	−18.342528	71
244 1061.5	+43.138044	−35.473756	−15.680908	71
244 1062.0	+47.319505	−30.390035	−12.784662	71
244 1062.5	+50.787126	−24.842742	− 9.693401	71
244 1063.0	+53.476925	−18.909383	− 6.451401	71
244 1063.5	+55.336521	−12.676666	− 3.106975	71
244 1064.0	+56.327177	− 6.239121	+ 0.288396	71
244 1064.5	+56.425441	+ 0.302792	+ 3.681132	71
244 1065.0	+55.624421	+ 6.844944	+ 7.016822	71
244 1065.5	+53.934438	+13.282108	+10.241584	71
244 1066.0	+51.383204	+19.510702	+13.303516	71

J.D.	x	y	z	
244 1066.5	+48.015078	+25.431560	+16.154061	71
244 1067.0	+43.889749	+30.952487	+18.749268	71
244 1067.5	+39.080371	+35.990533	+21.050845	71
244 1068.0	+33.671137	+40.473767	+23.026920	71
244 1068.5	+27.754626	+44.342476	+24.652488	71
244 1069.0	+21.429104	+47.549838	+25.909597	71
244 1069.5	+14.795880	+50.062055	+26.787246	71
244 1070.0	+ 7.956890	+51.857970	+27.281026	71
244 1070.5	+ 1.012628	+52.928361	+27.392628	71
244 1071.0	− 5.939547	+53.275037	+27.129265	71
244 1071.5	−12.806740	+52.909686	+26.502986	71
244 1072.0	−19.501478	+51.852761	+25.530036	71
244 1072.5	−25.942379	+50.132358	+24.230242	71
244 1073.0	−32.054533	+47.783150	+22.626407	71
244 1073.5	−37.769718	+44.845429	+20.743832	71
244 1074.0	−43.026482	+41.364297	+18.609868	71
244 1074.5	−47.770080	+37.388908	+16.253528	71
244 1075.0	−51.952447	+32.971898	+13.705196	71
244 1075.5	−55.532090	+28.168856	+10.996353	71
244 1076.0	−58.474034	+23.037893	+ 8.159369	71
244 1076.5	−60.749724	+17.639269	+ 5.227292	71
244 1077.0	−62.337111	+12.035064	+ 2.233695	71
244 1077.5	−63.220549	+ 6.288850	− 0.787509	71
244 1078.0	−63.391031	+ 0.465390	− 3.802227	71
244 1078.5	−62.846192	− 5.369712	− 6.776374	71
244 1079.0	−61.590451	−11.150364	− 9.676066	71
244 1079.5	−59.635215	−16.810412	−12.467863	71
244 1080.0	−56.998990	−22.284095	−15.118991	71
244 1080.5	−53.707529	−27.506598	−17.597663	71
244 1081.0	−49.793854	−32.414607	−19.873355	71
244 1081.5	−45.298370	−36.947005	−21.917165	71
244 1082.0	−40.268721	−41.045545	−23.702162	71
244 1082.5	−34.759713	−44.655628	−25.203788	71
244 1083.0	−28.832970	−47.727049	−26.400199	71
244 1083.5	−22.556604	−50.214825	−27.272698	71
244 1084.0	−16.004678	−52.079943	−27.806059	71
244 1084.5	− 9.256568	−53.290167	−27.988924	71
244 1085.0	− 2.396209	−53.820756	−27.814098	71
244 1085.5	+ 4.488829	−53.655097	−27.278839	71
244 1086.0	+11.308321	−52.785314	−26.385080	71
244 1086.5	+17.970512	−51.212756	−25.139632	71
244 1087.0	+24.383334	−48.948449	−23.554311	71
244 1087.5	+30.455667	−46.013272	−21.645959	71
244 1088.0	+36.098767	−42.438225	−19.436471	71
244 1088.5	+41.227688	−38.264387	−16.952691	71
244 1089.0	+45.762772	−33.542737	−14.226212	71
244 1089.5	+49.631213	−28.333871	−11.293122	71
244 1090.0	+52.768620	−22.707427	− 8.193609	71
244 1090.5	+55.120474	−16.741302	− 4.971453	71
244 1091.0	+56.643688	−10.520662	− 1.673412	71
244 1091.5	+57.307938	− 4.136636	+ 1.651539	71
244 1092.0	+57.096707	+ 2.315255	+ 4.953093	71
244 1092.5	+56.008271	+ 8.736881	+ 8.180588	71
244 1093.0	+54.056129	+15.029525	+11.284087	71
244 1093.5	+51.269137	+21.096042	+14.215500	71
244 1094.0	+47.691047	+26.843052	+16.929673	71
244 1094.5	+43.379714	+32.183141	+19.385480	71
244 1095.0	+38.405624	+37.036811	+21.546722	71
244 1095.5	+32.850186	+41.334261	+23.382933	71
244 1096.0	+26.803520	+45.016698	+24.869901	71
244 1096.5	+20.362207	+48.037345	+25.990040	71
244 1097.0	+13.626809	+50.361861	+26.732441	71
244 1097.5	+ 6.699526	+51.968383	+27.092732	71
244 1098.0	− 0.317964	+52.847237	+27.072783	71
244 1098.5	− 7.326460	+53.000151	+26.680183	71
244 1099.0	−14.230822	+52.439391	+25.927666	71
244 1099.5	−20.941262	+51.186684	+24.832497	71
244 1100.0	−27.374271	+49.272018	+23.415760	71
244 1100.5	−33.453246	+46.732537	+21.701777	71
244 1101.0	−39.108866	+43.611371	+19.717460	71

JUPITER, 1965

LONGITUDE OF CENTRAL MERIDIAN

SYSTEM III (1957.0)

Day (0h U.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
	°	°	°	°	°	°	°	°	°	°	°	°
1	217.3	201.2	91.1	70.4	259.0	238.1	68.0	49.7	33.3	228.8	217.5	57.7
2	7.8	351.6	241.4	220.7	49.3	28.5	218.3	200.1	183.8	19.4	8.2	208.4
3	158.3	142.0	31.8	11.0	199.5	178.8	8.7	350.5	334.2	169.9	158.8	359.1
4	308.8	292.4	182.1	161.3	349.8	329.1	159.0	140.9	124.7	320.5	309.5	149.8
5	99.3	82.8	332.4	311.6	140.1	119.4	309.4	291.3	275.2	111.1	100.1	300.5
6	249.8	233.1	122.7	101.9	290.4	269.7	99.7	81.7	65.7	261.6	250.8	91.2
7	40.3	23.5	273.0	252.1	80.7	60.0	250.1	232.1	216.2	52.2	41.4	241.9
8	190.8	173.9	63.3	42.4	231.0	210.3	40.5	22.5	6.7	202.8	192.1	32.6
9	341.3	324.3	213.6	192.7	21.3	0.7	190.8	173.0	157.2	353.4	342.8	183.2
10	131.8	114.6	3.9	343.0	171.6	151.0	341.2	323.4	307.7	144.0	133.4	333.9
11	282.2	265.0	154.2	133.3	321.8	301.3	131.6	113.8	98.2	294.5	284.1	124.6
12	72.7	55.3	304.5	283.6	112.1	91.6	281.9	264.2	248.7	85.1	74.8	275.3
13	223.2	205.7	94.9	73.9	262.4	241.9	72.3	54.7	39.2	235.7	225.4	66.0
14	13.6	356.1	245.2	224.1	52.7	32.3	222.7	205.1	189.7	26.3	16.1	216.7
15	164.1	146.4	35.5	14.4	203.0	182.6	13.0	355.5	340.2	176.9	166.8	7.4
16	314.5	296.8	185.8	164.7	353.3	332.9	163.4	146.0	130.7	327.5	317.4	158.0
17	105.0	87.1	336.0	315.0	143.6	123.2	313.8	296.4	281.3	118.1	108.1	308.7
18	255.4	237.5	126.3	105.3	293.9	273.6	104.2	86.8	71.8	268.7	258.8	99.4
19	45.9	27.8	276.6	255.5	84.2	63.9	254.5	237.3	222.3	59.3	49.5	250.1
20	196.3	178.1	66.9	45.8	234.5	214.2	44.9	27.7	12.8	210.0	200.2	40.8
21	346.7	328.5	217.2	196.1	24.8	4.6	195.3	178.2	163.4	0.6	350.8	191.4
22	137.1	118.8	7.5	346.4	175.1	154.9	345.7	328.6	313.9	151.2	141.5	342.1
23	287.6	269.1	157.8	136.7	325.4	305.2	136.1	119.1	104.4	301.8	292.2	132.8
24	78.0	59.5	308.1	287.0	115.7	95.6	286.5	269.5	255.0	92.4	82.9	283.4
25	228.4	209.8	98.4	77.2	266.0	245.9	76.9	60.0	45.5	243.1	233.6	74.1
26	18.8	0.1	248.7	227.5	56.3	36.3	227.2	210.5	196.0	33.7	24.3	224.8
27	169.2	150.5	39.0	17.8	206.6	186.6	17.6	0.9	346.6	184.3	175.0	15.4
28	319.6	300.8	189.3	168.1	356.9	336.9	168.0	151.4	137.1	335.0	325.7	166.1
29	110.0		339.6	318.4	147.2	127.3	318.4	301.9	287.7	125.6	116.3	316.7
30	260.4		129.9	108.7	297.5	277.6	108.8	92.3	78.3	276.2	267.0	107.4
31	50.8		280.1		87.8		259.2	242.8		66.9		258.1

CORRECTION FOR PHASE

JAN.		MAR.		MAY		JULY		SEPT.		NOV.	
	°		°		°		°		°		°
0	-0.4	1	-0.5	4	-0.1	3	0.1	1	0.5	4	0.3
4	-0.4	5	-0.5	8	-0.1	7	0.1	5	0.5	8	0.3
8	-0.4	9	-0.5	12	0.0	11	0.2	9	0.5	12	0.2
12	-0.5	13	-0.4	16	0.0	15	0.2	13	0.6	16	0.2
16	-0.5	17	-0.4	20	0.0	19	0.2	17	0.6	20	0.2
20	-0.5	21	-0.4	24	0.0	23	0.2	21	0.6	24	0.1
24	-0.5	25	-0.3	28	0.0	27	0.3	25	0.6	28	0.1
28	-0.5	29	-0.3			31	0.3	29	0.6		

FEB.		APR.		JUNE		AUG.		OCT.		DEC.	
1	-0.6	2	-0.3	1	0.0	4	0.3	3	0.6	2	0.1
5	-0.6	6	-0.2	5	0.0	8	0.4	7	0.5	6	0.0
9	-0.6	10	-0.2	9	0.0	12	0.4	11	0.5	10	0.0
13	-0.6	14	-0.2	13	0.0	16	0.4	15	0.5	14	0.0
17	-0.5	18	-0.2	17	0.0	20	0.4	19	0.5	18	0.0
21	-0.5	22	-0.1	21	0.0	24	0.5	23	0.4	22	0.0
25	-0.5	26	-0.1	25	0.1	28	0.5	27	0.4	26	0.0
		30	-0.1	29	0.1			31	0.4	30	0.0
										34	-0.1

JUPITER, 1966

LONGITUDE OF CENTRAL MERIDIAN

SYSTEM III (1957.0)

Day (0h U.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
	°	°	°	°	°	°	°	°	°	°	°	°
1	48.7	37.0	290.2	271.8	101.2	80.3	269.3	249.5	231.2	64.3	50.2	248.2
2	199.3	187.6	80.7	62.2	251.5	230.6	59.6	39.9	21.6	214.8	200.8	38.9
3	350.0	338.1	231.1	212.5	41.8	20.9	210.0	190.2	172.0	5.3	351.4	189.5
4	140.6	128.6	21.5	2.8	192.1	171.2	0.3	340.6	322.4	155.7	141.9	340.2
5	291.3	279.1	171.9	153.2	342.4	321.5	150.6	131.0	112.8	306.2	292.5	130.8
6	81.9	69.6	322.3	303.5	132.7	111.8	300.9	281.3	263.2	96.7	83.1	281.5
7	232.5	220.1	112.7	93.8	283.0	262.1	91.2	71.7	53.7	247.2	233.6	72.1
8	23.2	10.6	263.1	244.1	73.3	52.4	241.5	222.0	204.1	37.7	24.2	222.8
9	173.8	161.1	53.5	34.5	223.6	202.7	31.9	12.4	354.5	188.2	174.8	13.4
10	324.4	311.6	203.9	184.8	13.9	353.0	182.2	162.7	144.9	338.7	325.4	164.1
11	115.0	102.1	354.3	335.1	164.2	143.3	332.5	313.1	295.3	129.2	116.0	314.7
12	265.6	252.6	144.7	125.4	314.5	293.6	122.8	103.5	85.8	279.7	266.5	105.4
13	56.2	43.1	295.0	275.7	104.8	83.9	273.2	253.9	236.2	70.2	57.1	256.1
14	206.8	193.6	85.4	66.1	255.1	234.2	63.5	44.2	26.6	220.7	207.7	46.7
15	357.4	344.0	235.8	216.4	45.4	24.5	213.8	194.6	177.1	11.2	358.3	197.4
16	148.0	134.5	26.2	6.7	195.7	174.8	4.1	345.0	327.5	161.7	148.9	348.1
17	298.6	285.0	176.6	157.0	345.9	325.1	154.4	135.3	117.9	312.2	299.5	138.7
18	89.2	75.4	326.9	307.3	136.2	115.4	304.8	285.7	268.4	102.7	90.1	289.4
19	239.8	225.9	117.3	97.6	286.5	265.7	95.1	76.1	58.8	253.2	240.7	80.1
20	30.4	16.3	267.7	247.9	76.8	56.0	245.4	226.5	209.3	43.7	31.3	230.8
21	181.0	166.8	58.0	38.2	227.1	206.3	35.8	16.9	359.7	194.3	181.9	21.5
22	331.5	317.2	208.4	188.5	17.4	356.6	186.1	167.2	150.2	344.8	332.6	172.1
23	122.1	107.7	358.7	338.8	167.7	146.9	336.5	317.6	300.6	135.3	123.2	322.8
24	272.7	258.1	149.1	129.1	318.0	297.2	126.8	108.0	91.1	285.9	273.8	113.5
25	63.2	48.6	299.4	279.4	108.3	87.5	277.1	258.4	241.5	76.4	64.4	264.2
26	213.8	199.0	89.8	69.7	258.6	237.8	67.5	48.8	32.0	226.9	215.0	54.9
27	4.3	349.4	240.1	220.0	48.9	28.1	217.8	199.2	182.4	17.5	5.7	205.6
28	154.9	139.8	30.5	10.4	199.2	178.4	8.2	349.6	332.9	168.0	156.3	356.2
29	305.4		180.8	160.6	349.4	328.7	158.5	140.0	123.4	318.6	306.9	146.9
30	96.0		331.2	310.9	139.7	119.0	308.8	290.4	273.8	109.1	97.6	297.6
31	246.5		121.5		290.0		99.2	80.8		259.7		88.3

CORRECTION FOR PHASE

JAN.		MAR.		MAY		JULY		SEPT.		NOV.	
	°		°		°		°		°		°
- 1	0.0	4	-0.5	3	-0.3	2	0.0	4	0.3	3	0.5
3	-0.1	8	-0.5	7	-0.3	6	0.0	8	0.3	7	0.5
7	-0.1	12	-0.5	11	-0.2	10	0.0	12	0.3	11	0.5
11	-0.1	16	-0.5	15	-0.2	14	0.0	16	0.4	15	0.5
15	-0.1	20	-0.5	19	-0.2	18	0.0	20	0.4	19	0.4
19	-0.2	24	-0.5	23	-0.2	22	0.0	24	0.4	23	0.4
23	-0.2	28	-0.5	27	-0.1	26	0.0	28	0.4	27	0.4
27	-0.3			31	-0.1	30	0.1				
31	-0.3										

FEB.		APR.		JUNE		AUG.		OCT.		DEC.	
4	-0.3	1	-0.5	4	-0.1	3	0.1	2	0.5	1	0.4
8	-0.4	5	-0.5	8	-0.1	7	0.1	6	0.5	5	0.3
12	-0.4	9	-0.5	12	-0.1	11	0.1	10	0.5	9	0.3
16	-0.4	13	-0.4	16	0.0	15	0.1	14	0.5	13	0.2
20	-0.5	17	-0.4	20	0.0	19	0.2	18	0.5	17	0.2
24	-0.5	21	-0.4	24	0.0	23	0.2	22	0.5	21	0.2
28	-0.5	25	-0.4	28	0.0	27	0.2	26	0.5	25	0.1
		29	-0.3			31	0.2	30	0.5	29	0.1
										33	0.1

JUPITER, 1967

LONGITUDE OF CENTRAL MERIDIAN

SYSTEM III (1957.0)

Day (0^h U.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
	°	°	°	°	°	°	°	°	°	°	°	°
1	239.0	230.0	127.0	112.1	303.8	283.9	112.9	92.4	72.7	264.0	247.6	83.1
2	29.7	20.7	277.5	262.6	94.1	74.2	263.2	242.7	223.1	54.4	38.1	233.7
3	180.4	171.3	68.0	53.0	244.5	224.5	53.5	33.0	13.4	204.9	188.6	24.2
4	331.1	322.0	218.6	203.4	34.8	14.8	203.8	183.3	163.8	355.3	339.1	174.8
5	121.8	112.6	9.1	353.8	185.2	165.1	354.1	333.7	314.1	145.7	129.6	325.3
6	272.4	263.2	159.7	144.3	335.5	315.4	144.4	124.0	104.5	296.1	280.0	115.9
7	63.1	53.9	310.2	294.7	125.8	105.7	294.7	274.3	254.9	86.5	70.5	266.5
8	213.8	204.5	100.7	85.1	276.2	256.0	85.0	64.6	45.2	236.9	221.0	57.1
9	4.5	355.1	251.2	235.5	66.5	46.3	235.3	214.9	195.6	27.3	11.5	207.6
10	155.2	145.8	41.7	25.9	216.9	196.6	25.6	5.3	345.9	177.8	162.0	358.2
11	305.9	296.4	192.3	176.3	7.2	346.9	175.9	155.6	136.3	328.2	312.5	148.8
12	96.6	87.0	342.8	326.7	157.5	137.2	326.2	305.9	286.7	118.6	103.0	299.4
13	247.3	237.6	133.3	117.1	307.8	287.5	116.5	96.2	77.1	269.0	253.5	90.0
14	37.9	28.2	283.8	267.5	98.2	77.8	266.8	246.6	227.4	59.5	44.0	240.6
15	188.6	178.8	74.3	57.9	248.5	228.1	57.1	36.9	17.8	209.9	194.5	31.2
16	339.3	329.4	224.8	208.3	38.8	18.4	207.4	187.2	168.2	0.3	345.0	181.8
17	130.0	120.0	15.3	358.7	189.1	168.7	357.7	337.6	318.6	150.8	135.6	332.4
18	280.7	270.6	165.7	149.0	339.5	319.0	148.0	127.9	108.9	301.2	286.1	123.0
19	71.4	61.2	316.2	299.4	129.8	109.3	298.3	278.2	259.3	91.7	76.6	273.6
20	222.0	211.8	106.7	89.8	280.1	259.6	88.6	68.6	49.7	242.1	227.1	64.2
21	12.7	2.4	257.2	240.2	70.4	49.9	238.9	218.9	200.1	32.6	17.7	214.8
22	163.4	153.0	47.6	30.5	220.7	200.2	29.3	9.2	350.5	183.0	168.2	5.4
23	314.1	303.6	198.1	180.9	11.1	350.5	179.6	159.6	140.9	333.5	318.7	156.0
24	104.7	94.1	348.6	331.3	161.4	140.8	329.9	309.9	291.2	123.9	109.3	306.6
25	255.4	244.7	139.0	121.6	311.7	291.1	120.2	100.3	81.6	274.4	259.8	97.3
26	46.1	35.3	289.5	272.0	102.0	81.4	270.5	250.6	232.0	64.8	50.3	247.9
27	196.7	185.8	79.9	62.4	252.3	231.7	60.8	41.0	22.4	215.3	200.9	38.5
28	347.4	336.4	230.4	212.7	42.6	22.0	211.1	191.3	172.8	5.8	351.4	189.2
29	138.1		20.8	3.1	192.9	172.3	1.4	341.6	323.2	156.2	142.0	339.8
30	288.7		171.3	153.4	343.2	322.6	151.7	132.0	113.6	306.7	292.5	130.4
31	79.4		321.7		133.6		302.1	282.4		97.2		281.1

CORRECTION FOR PHASE

JAN.		MAR.		MAY		JULY		SEPT.		NOV.	
	°		°		°		°		°		°
- 2	0.1	3	-0.3	2	-0.5	1	-0.1	3	0.1	2	0.4
2	0.1	7	-0.3	6	-0.5	5	-0.1	7	0.1	6	0.4
6	0.0	11	-0.3	10	-0.5	9	-0.1	11	0.1	10	0.5
10	0.0	15	-0.4	14	-0.4	13	-0.1	15	0.1	14	0.5
14	0.0	19	-0.4	18	-0.4	17	0.0	19	0.1	18	0.5
18	0.0	23	-0.4	22	-0.4	21	0.0	23	0.2	22	0.5
22	0.0	27	-0.5	26	-0.4	25	0.0	27	0.2	26	0.5
26	0.0	31	-0.5	30	-0.3	29	0.0			30	0.5
30	0.0										

FEB.		APR.		JUNE		AUG.		OCT.		DEC.	
3	0.0	4	-0.5	3	-0.3	2	0.0	1	0.2	4	0.5
7	-0.1	8	-0.5	7	-0.3	6	0.0	5	0.2	8	0.5
11	-0.1	12	-0.5	11	-0.3	10	0.0	9	0.3	12	0.5
15	-0.1	16	-0.5	15	-0.2	14	0.0	13	0.3	16	0.4
19	-0.2	20	-0.5	19	-0.2	18	0.0	17	0.3	20	0.4
23	-0.2	24	-0.5	23	-0.2	22	0.0	21	0.4	24	0.4
27	-0.2	28	-0.5	27	-0.2	26	0.0	25	0.4	28	0.4
						30	0.0	29	0.4	32	0.3